

# Notice of Allowability

Application No.

10/805,053

Examiner

Carlos A. Martinez

Applicant(s)

PETERS, DANNY WAYNE

Art Unit

2853

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to papers filed through 07/31/2006.
2. ☒ The allowed claim(s) is/are 1-9, 11-18 and 20-23.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

## Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

## DETAILED ACTION

### *Reasons for Allowance*

The following is an examiner's statement of reasons for allowance of claims 1, 9, and 18:

With respect to claim 1, the prior art does not teach a pre-scan assembly for a laser scanning unit including a printhead housing and having a scanning element for scanning a light beam, and a laser light source emitting at least one light beam along a laser beam axis extending toward said scanning element, said pre-scan assembly comprising: a pre-scan lens assembly including a carrier, and a pre-scan lens supported in said carrier and defining a lens optical axis; a pre-scan mount associated with said housing and located between said light source and said scanning element; *a pair of angular alignment datum surfaces defined in said pre-scan mount and extending generally parallel to said laser beam axis; said carrier including a pair of carrier alignment surfaces located on opposing sides of said carrier; said carrier comprising a flexible central structure joining said opposing sides whereby said carrier alignment surfaces are moveable relative to one another; and said carrier alignment surfaces cooperating with said angular alignment datum surfaces, whereby said lens optical axis is generally aligned relative to said laser beam axis.*

With respect to claim 9, the prior art does not teach a pre-scan assembly for a laser scanning unit including a printhead housing and having a scanning element for scanning a light beam, and a laser light source emitting at least one light beam along a laser beam axis extending toward said

Art Unit: 2853

scanning element, said pre-scan assembly comprising: a pre-scan lens assembly including a carrier, and a pre-scan lens supported in said carrier and defining a lens optical axis; a pre-scan mount associated with said housing and located between said light source and said scanning element; a pair of angular alignment datum surfaces defined in said pre-scan mount and extending generally parallel to said laser beam axis; said carrier including a pair of carrier alignment surfaces cooperating with said angular alignment datum surfaces, whereby said lens optical axis is generally aligned relative to said laser beam axis; and *wherein said pre-scan mount includes a support surface associated with each of said angular alignment datum surfaces and said carrier includes opposing sides, as least a portion of said carrier sides defining said carrier alignment surfaces, and a wing member extending from each said carrier side transverse to said alignment surfaces, each said wing member engaged on one of support surfaces.*

With respect to claim 18, the prior art does not teach in a laser scanning unit comprising a scanning element for scanning a light beam, a laser light source emitting at least one light beam along a laser beam axis and a collimation assembly for receiving and substantially collimating said light beam, a pre-scan assembly comprising: a pre-scan lens assembly including a carrier, and a pre-scan lens supported in said carrier and defining a lens optical axis; a pre-scan mount located adjacent said collimation assembly; a pair of angular alignment datum surfaces defined in said pre-scan mount and extending generally parallel to said laser beam axis; said carrier including a pair of carrier alignment surfaces cooperating with said angular alignment datum surfaces, whereby said lens optical axis is generally aligned in a scanning direction; and *wherein said pre-scan mount includes a support surface associated with each of said angular alignment*

Art Unit: 2853

*datum surfaces and said carrier includes opposing sides, as least a portion of said carrier sides defining said carrier alignment surfaces, and a wing member extending from each said carrier side transverse to said alignment surfaces, each said wing member engaged on one of support surfaces.*

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

#### ***Contact Information***


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Carlos A. Martinez whose telephone number is (571) 272-8349. The examiner can normally be reached on 8:30 am - 5:00 pm (M-F).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, STEPHEN D. MEIER can be reached on (571)272-2149. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2853

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

CAM  
08/11/2006



LAMSON NGUYEN  
PRIMARY EXAMINER  
08/16/06